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September 11 remembered



JACQUELINE MCBRIDE/NEWSLINE

In what has become an annual ceremony commemorating September 11, 2001, the flag at the northwest corner of the superblock was replaced early Thursday morning while the Laboratory's Honor Guard looked on.

Rep. Ellen Tauscher and DHS' Charles McQueary visit the Laboratory today

Rep. Ellen Tauscher and Charles McQueary, under secretary for the U.S. Department of Homeland Security's Science and Technology Directorate, will make separate visits to the Laboratory today to dedicate new facilities and address employees.

McQueary will visit both LLNL and Sandia Livermore. McQueary will start his day with an all-hands speech to employees at both Livermore and Sandia, commemorating the third anniversary of the attacks of September 11 and thanking both Lab and Sandia employees for their work in homeland security. The talk takes place at Sandia Livermore; it will be broadcast live at 9 a.m. on Lab TV Channel 25.

Following his talk, at approximately 10 a.m., McQueary will cross the street to LLNL to formally dedicate the new Biodefense Knowledge Center. The center, located near the Lab's homeland security offices in Bldg. 132S, is a national clearinghouse for information on biodefense. It also provides scientifically in-depth analysis of biodefense issues, performing material threat assessments and identifying gaps in research and development.

See **TAUSCHER**, page 8

Biodefense Knowledge Center focuses effort against bioterrorism

By Stephen Wampler

NEWSLINE STAFF WRITER

A national center to assist Department of Homeland Security (DHS) officials and the country in the fight against bioterrorism has been established at the Laboratory.

The Biodefense Knowledge Center (BKC) is to

be officially dedicated today during a visit to Livermore by DHS Under Secretary for Science and Technology Charles McQueary.

"Biodefense is a complex problem. The new center will integrate what we know about biodefense and work to anticipate and respond to bioterrorist attacks," said the new center's director, LLNL biomedical engineer Bill Colston.

The BKC will draw upon about 75 researchers based at four national laboratories — Oak Ridge, Pacific Northwest, Sandia and Lawrence Livermore.

Collaborators will also include three DHS University Centers of Excellence — at the University of Minnesota, the University of Southern California and Texas

See **BIODEFENSE**, page 8

CAMS research is popular science journal cover story

By Anne M. Stark

NEWSLINE STAFF WRITER

During the past 18 months, scientists in the Center for Accelerator Mass Spectrometry have been awful busy.

In addition to the groundbreaking work in tracing compounds through the combustion process to determine what compounds are expelled in automobile exhaust to characterizing interstellar dust particles, CAMS research has been featured on the cover of six different scientific journals and magazines.

See **CAMS**, page 7

Colwell explains infectious disease in global era

By Anne M. Stark

NEWSLINE STAFF WRITER

Infectious diseases are a moving target and environmental conditions play a vital role in how they spread.

Human health issues are no longer simply between a doctor and a patient, but between individuals and their effect on the globe, said Rita Colwell, chairwoman of Canon U.S. Life Sciences Inc., and former director of the National Science Foundation. She spoke in front of a near-capacity 123 auditorium Wednesday afternoon as she discussed "Understanding Environ-

See **DDLS**, page 7



JACQUELINE MCBRIDE/NEWSLINE

Don Prosnitz of LLNL's homeland security organization with Rita Colwell, former NSF director.



Campaign on the road HOME

— Page 3



Muscling up to vintage vehicles

— Page 5



Security Web of responsibilities

— Page 8



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 4

Saturday
11

There will be two **scheduled power outages** beginning today at 7 a.m. and ending at 3 p.m. Sunday. Buildings affected include Bldgs.

431 and 235. Air conditioning, heating and elevators will also be affected. If any questions arise, contact Mark Cardoza at 3-0490.

...

The Hacienda Business Park and the City of Pleasanton are sponsoring a **Commuter Choice Transportation Fair** today from 9 a.m. to 2 p.m. as part of the Tri-Valley Health and Safety Day at the Alameda County Fairgrounds. Exhibitors will educate attendees about the complete range of transportation alternatives and related support programs. Admission is free. The first 250 people attending will receive a free commuter travel wallet.

Sunday
12

The **Third Annual Grape Stomping Celebration** will be today from 8 a.m. to 4 p.m. at the White Crane Winery. The price is \$50 per person and includes a continental breakfast,

barbecue lunch, awards and a free concert from 2-4 p.m. Advance reservations are required. Limited to the first 200 people. To purchase tickets, send an e-mail with your name and phone number to: events@whitecranewinery.com. For more information, contact Estella King at 408-218-9898 or estella777king@hotmail.com

UP
&
COMING

The Energy and Environment Directorate will hold its **summer picnic** with the theme "The Fifties" on Wednesday, Sept. 29, from

11:30 a.m.-2 p.m. in the lawn area north-east of Bldg. 170. The menu includes hot dogs, hamburgers or veggie burgers with salad, beans, chips, drinks and dessert for \$5 per person. Deadline for tickets is Sept. 24. The event includes door prizes and games. For tickets, contact Sharon Mickels, 3-9279, Karen Common, 2-2486, Jodi Spears, 2-6480, Monica Navarra, 2-0207, Kim Elmore, 3-3084, Cathy Adams/Shelli Neal, 3-8992, Nannette Sorensen, 2-9670, Sharol Grant, 4-6047, Sandy Gonzales, 2-6789, or Rochelle Watson, 3-3710.

**BROADCAST
SCHEDULE**



LAB TV

Lab TV Channel 2 will rebroadcast Rita Colwell's talk "**Understanding Environmental Pathogens in an Era of Bioterrorism**," a Directors Distinguished Lecture Series discussion, on Thursday, Sept. 16, at 10 a.m., noon, 2, 4 and 8 p.m. and on Friday, Sept. 17, at 4 a.m.

Caring about cancer



The Tri-Valley unit of the American Cancer Society recognized three Lab employees' service to the cancer community earlier this month. Barry Schrader, right, archives specialist and oral historian in Archives and Records, received an engraved crystal award titled "Patient Courage Award" for his involvement in Daffodil Days. Darrin Valentine, center, senior technical coordinator in Mechanical Engineering/New Technologies Engineering Division, and Ken Rovasio, technical coordinator with Chem-Track & and Technical Services Group, also were recognized for their outstanding contribution to the 2004 Livermore Relay for Life with the "Special Recognition Award."

JACQUELINE MCBRIDE/NEWSLINE

IN MEMORIAM

Shirley C. Sanford

Shirley C. Sanford died Aug. 24. She was 69.

She was born Shirley Carlene von Buskirk on May 21, 1935, in Cheyenne, Okla. to Carl and Ida (Flemming) von Buskirk.

Sanford graduated from Crater High School, Central Point, Ore. in 1953. She married her second husband, Carl Bradstreet Sanford, on May 25, 1977 in Livermore. They both retired from the Lab in 1987. She worked for 15 years as an administrator in the Laser Department, Chemistry Department, Directors Office and Mechanical Engineering.

In June 1988, the Sanfords moved to Sun City West, Ariz. but continued to work for LLNL on an on-call basis at the Nevada Test Site and at Livermore.

Manrico "Rick" Lara

Manrico "Rick" C. Lara, a longtime Livermore resident, died Aug. 31. He was 79.

Born May 24, 1925, in the Philippines, Lara immigrated to the United States to continue his post-graduate studies in engineering.

He and his wife, Luz, started their family in Delaware, where Lara worked for Dupont Chemical Co.

In 1963, the family moved to Livermore. Lara spent the next 27 years in weapons design and materials testing as a nuclear engineer at the Laboratory. After retirement, he acted as a nuclear consultant for the U.S. Government in various research and military facilities.

Lara was interested in gardening, traveling and music. He and his wife also were very involved in fellowship and prayer groups at St. Charles Borromeo Catholic Church in Livermore.

He is survived by his wife of 48 years, Luz; his sons, Joseph Lara of Story City, Iowa, Enricho Lara of San Francisco; Eugene Lara of Wilmington, Del., and Charles Lara of Livermore; his daughter M. Terri Boyle of Pleasanton; and his eight grandchildren, Grace, Mary, Courtney, Janelle, Michael, Andrew, Emilie and

Upon coming to Sun City West, Sanford worked part time in the offices of the Dell Webb Corporation, served as a volunteer for Lending Hands, SCAMI and the local hospital. She was a member of the Desert Trails Ladies Golf Club, serving as Rules Committee chairwoman for two years.

She is survived by her husband, Carl B. Sanford; brothers Donald von Buskirk and wife Joan of Livermore, brother Carl Bryan Buskirk from London, England, three children, Daniel A. Lewis (wife Mabelle) of Coeur d'Alene, Idaho, Tamera G. Wilcox of Tucson and Donald J. Lewis of San Francisco; six grandchildren, Dustin and Whitney Lewis, Elliott, Mathew, Luke, and Andy Wilcox.

Elizabeth.

Services have been held.

Remembrances may be made to St. Charles Borromeo Catholic Church in memory of Rick Lara.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

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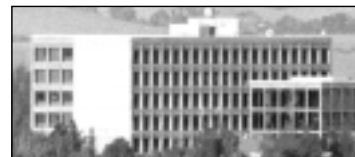
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AROUND THE LAB



HOME visit spotlights Tracy teen pregnancy services

By Leslie Schwartz

NEWSLINE STAFF WRITER

Members of the planning committee for the 2004 Helping Others More Effectively (HOME) Campaign recently visited the Pregnancy Resource Center of Tracy, one of the hundreds of agencies employees can make contributions to during this year's campaign.

Linda Clift, executive director of the center, explained that the center focuses on educating and supporting Tracy teens who are pregnant or are young parents. "We focus on both the preventative side [promoting abstinence] and the educational side, talking to pregnant mothers about positive options," Clift said.

The center has come a long way since it opened 19 years ago, from only offering pregnancy tests and used clothes to the numerous services and resources available today. "We have expanded and want to continue to expand," Clift said.

Now, the center sees about 300 people annually and services mothers between the ages of 15 and 21, 70 percent to 80 percent of those being single and unwed. They provide many services such as free pregnancy tests, pregnancy information, abortion alternatives, post-abortion support, maternity clothing, infant clothing and furnishings as well as teen childbirth and parenting classes. They also act as a referral for medical care, financial assistance, alternative living accommodations and adoption.

"Regardless of the decision you make, our doors will always be open to you," Clift said. "You do not have to face that tough decision alone. We are here to listen, care, help."

The center collaborates with the school district by having educators come and teach childbirth and parenting classes on site, at no cost to the school dis-



JACQUELINE MCBRIDE/NEWSLINE

Linda Clift, executive director of the Pregnancy Resource Center of Tracy (right), shows Al Moser, HOME Campaign chair, Laura Dixon, HOME Campaign deputy chairperson, and Patti Lann, Run for HOME chairperson, some of the free resources and items the center provides for new mothers and families in the local area.

trict.

"We're not an organization that just sits here and waits for people to come to us," explained Clift, as she discussed the many ways employees and volunteers have actively helped in the community from donating baby clothes and supplies to needy mothers and families in the local area to training a "respect" educational team.

The 17-member respect team, made up of local high school students, speaks and performs about making positive lifestyle choices through abstinence before marriage and educating teens on sexual choices and consequences.

"We have 45 minutes [at a school assembly] to make a difference once a year compared to the 24-7 bombardment of other materials teens see and hear," Clift said. Upholding the motto of "you're worth

waiting for," the team has been highly successful in influencing their peer group on these important issues.

In addition, a committee creates Christmas gift baskets from donated and purchased goods for needy families with newborns. The center also has the ability to follow up with mothers if they want to, and volunteers frequently make house and hospital visits. Young mothers often are so thankful, sharing that "no one has ever taken the time to listen before."

"We want to invest in our community and in our kids so we don't see them in here," Clift said. "We're on your side, we just want to help." A 24-hour helpline (209-836-4415) is also available for counseling and crisis situations.

The services offered at the center are free and volunteers donate their time to keep operating costs low, but there is still a large financial need. "Our volunteers really care and go the extra mile," Clift said. "But there is so much more that we could do if we had the necessary resources." Last year, volunteers at the center gave more than 11,000 hours of their time without any compensation.

Al Moser, chairman of the 2004 HOME campaign and operations manager in the Chemistry and Materials Science Directorate, felt that "the visit demonstrated the positive impact that even a small agency can have on a community. Learning about this agency and how much they appreciate HOME, really brought 'home' to me our role in connecting employees to worthwhile charities."

This year's HOME campaign, sponsored by the CMS Directorate, kicks off with the annual Run for HOME and HOME Agency Fair on Oct. 28. Though more than 130 agencies will be at the fair, many more are available for employee contributions through this year's campaign. Employees will receive a packet of specific information from their organizational team leaders in late October.

For additional information on the HOME Campaign or the Run for HOME and the fair, visit <http://www-r.llnl.gov/home2004/index.html>.

LLLWA changing of the guard



JACQUELINE MCBRIDE/NEWSLINE

This week, the Laboratory Women's Association (LLLWA) held their annual membership drive and scholarship fund-raiser. New officers for 2004-2005 are (left to right) Kathleen Moody, treasurer; Sandra Hadley, secretary; and Deborah Irish, president. Yahel De La Cruz, vice president, was absent for the photo. Guest speaker at the fundraiser luncheon was Julia Clare of Girls Inc. (Girls Incorporated of Alameda County) who provided information about volunteer opportunities. Girls Inc. is a local affiliate of a national non-profit organization dedicated to inspiring girls to explore their potential.

Fall 2004 scholarship applications are now available from the LLLWA

Applications are now available for Women's Association (LLLWA) scholarships for the fall 2004 academic year. The program provides financial support to LLNL employees in their pursuit of education as a means of career and personal advancement. These scholarships are designed for employees who have completed academic work within the last two semesters and are planning to continue their academic career in the fall.

The Women's Association has awarded \$64,775 in scholarships to 198 female and male employees since 1984. The Department of Energy has called the scholarship program "one of the most effective efforts DOE-wide to improve the status of women." The cost of the scholarships is covered by LLLWA dues plus funds contributed by the Laboratory's Work Life Program and donations of Lab employees. The awards will be announced in January 2005.

Applicants must complete an application form, include transcripts, a letter of recommendation from their LLNL supervisor, teacher or educational adviser, and participate in a short, informal interview with members of the Scholarship Committee. To receive a scholarship application, contact Pat Chance, chance1@llnl.gov, or 2-2807, or Joni Schuld, schuld2@llnl.gov, or 2-4168.

The Scholarship Program Website, <http://www-r.llnl.gov/lllwa/scholarship.html>, also gives more details on eligibility and selection criteria and will soon contain a downloadable 2004 application form. Deadline to submit your application is Oct. 18.



NEWS YOU CAN USE

Plant Engineering training video earns federal award

Plant Engineering's Permit Office & Damage Prevention Team has been awarded the highly acclaimed "Government Video Star Award."

The team's video, titled "Soil Excavation and Concrete Penetration Permit Process and Awareness at LLNL" won in the "training" category of the Government Video Technology Group competition.

The eleven-minute training video shows the "dos and don'ts" of digging in soil or performing concrete penetrations at LLNL. It includes descriptions of the permit process, work requirements, accountability, and how to report issues.

Both Laboratory and subcontractor employees performing excavation and concrete penetrations at LLNL will be required to review it prior to performing work.

The Government Video Technology Exposition is the East Coast's



Facilities and Maintenance Management Division's Permit Office: Doug Pirrone (not pictured), front row, Bruce Fritschy, center left, Kerry Griggs, Rexanne Jones, Maxine Lawson, Kris Franzke and Joe Pires, back left, Mike Johnson, Alan Clinkenbeard and Jeremy Meade teamed together to create this informational training video. The Plant Engineering Labor shop's Dave Bento, John Goltz and LLNL's Mimi Alford also contributed.

largest conference and exposition created exclusively for government communication professionals and their specific product and service needs. With dozens of entries received, only three projects in each category were chosen.

PE's work will be recognized at the 7th annual Government Video Technology Exposition during a special ceremony on Oct. 6 at the new Washington Convention Center in Washington, DC. In addition, a feature story about all the Government Video Star Award winners will appear in the Nov. 2004 issue of *Government Video*.

The Permit Office and Damage Prevention Team was featured in the July 2004 issue of *Underground Construction* magazine discussing LLNL's zero tolerance for damage to underground facilities. Noted by the magazine staff as a model for underground location and damage prevention, the three-page feature "Government Facility Optimizes Underground Location Accuracy for Safety, Efficiency" is available at http://www.oildompublishing.com/uceditorialarchive/July04/july04_3m.pdf

Electronic ordering system upgrade allows better contract management

"Spend management" is the latest buzz in procurement departments across the nation.

"Spend" is the money companies commit to contracts with their suppliers. "Spend analysis" is a process for developing a highly detailed picture of exactly what goods and services are being purchased across an enterprise and which companies are providing those goods and services.

This data may then be used to manage that "spend" to achieve a variety of goals. Firms may choose to focus the spend for a particular category of goods with a single supplier in order to achieve better pricing. For a critical service such as hazardous waste disposal, a firm may choose to focus the spend with a single supplier in order to closely monitor the supplier's performance and compliance with terms and conditions.

UniCard Migration will enable Procurement &



Materiel (P&M) to employ spend management techniques in a variety of scenarios. In previous *Newsline* articles (see the Aug. 6 and Aug. 20 issues), P&M explained that UniCard

Migration will result in the Electronic Ordering System (EOS) issuing all credit card orders directly to suppliers. Beginning in late October, technical release representatives (TRRs) will enter orders for non-catalog items in EOS, just as they do now for catalog items.

The line item detail for non-catalog items will give P&M a better view of what is being purchased using the UniCard. With this data in hand, P&M can identify spend categories that lend themselves to an EOS agreement with a particular supplier, resulting in an on-line catalog with fixed, discounted pricing. This will make the TRRs' jobs easier and save money as well.

The spend management process can also help the

Laboratory meet its socio-economic subcontracting goals in Contract 48. NNSA has established goals for subcontracting with small businesses, small disadvantaged businesses, small woman-owned businesses, and other small business types. Creating new catalogs with small businesses will focus the Laboratory's spend with those suppliers and help meet these goals.

For example, mandatory use of T.H.E. Office City catalog for office supplies directs nearly \$2 million each year to a small business. This is currently the only mandatory use catalog, but there may be others in the future.

P&M will publish additional articles prior to the rollout to provide more details about UniCard Migration. Contact P&M Customer Support at 3-3448 or pcs@llnl.gov for answers to questions about using EOS. For more complete information and to see previous articles, go to <http://www-r.llnl.gov/pm/lincs/news/>.

Technical Meeting Calendar

Friday
10

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"The Spitzer Infrared Array Camera (IRAC) Shallow Survey," by

Peter Eisenhardt, Caltech. Noon, Bldg. 319, room 205. All attendees need to be badged. Contact: Wil van Breugel, 2-7195, or Sharon Taberna, 3-6290.

Monday
13

BIOSECURITY & NANOSCIENCES LABORATORY

"A Nanoengineering Approach to Investigate Polyvalent Biochemical Interac-

tions," by Gang-yu Liu, Department of Chemistry, UC Davis. 2 p.m., Bldg. 151, room 1209 (Stevenson Room). Foreign nationals may attend if appropriate security plan is on file. Contact: Alex Noy, 4-6023, or Katie Thomas, 2-7903.

PHYSICS & ADVANCED TECHNOLOGIES

"Threshold and Continuum Structures in Exotic Nuclei," by Ian Thompson. 10 a.m., Trailer 2128, room 1000. Badge required. Contact: Annette Cook, 2-7856.

Wednesday
15

INTEGRATED COMPUTING & COMMUNICATIONS DEPARTMENT/MACINTOSH TECHNICAL SEMINAR SERIES

"Mac OS X and Active Directory Integration," by Deborah Peer, trainer mentor, Apple World-Wide Customer Training. 10:30 a.m., Bldg. 543 auditorium. Contact Duane Straub, 2-9774, or straub1@llnl.gov.

PHYSICS AND ADVANCED TECHNOLOGIES

"Statistical Theory of Fission Chains," by Neal Snyderman, N Division. 1:30 p.m., Bldg. 211, room 227, badge required. Contact: Theresa Schantz, 3-0240.

Friday
17

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"QSOs and Black Hole Growth," by Qingjuan Yu, UC Berkeley. Noon, Bldg. 319, room 205. All Attendees need

to be badged. Contact: Wil van Breugel, 2-7195, or Sharon Taberna, 3-6290.

LASER SCIENCE & TECHNOLOGY POSTDOCTORAL INTERVIEWEE SEMINAR

"Advanced Laser Resonators and Applications to Laser Micromachining," by Seong H. Cho, MIT. 9:30 a.m., Bldg. 481, room 1000 auditorium. Contact: Dolores Lambert, lambert2@llnl.gov, or Ray Beach, beach2@llnl.gov.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Send your input to tmc-submit@llnl.gov.

NEWS OF NOTE



Chabot Space & Sciences Center exhibit discount

Chabot Space and Sciences Center is offering a discount to Lab employees for a new exhibit on ancient China’s astronomical achievements.

Employees should note that they must use their non-photo Laboratory identification or business card and not their DOE clearance

badge with photo. Lab policy prohibits the use of DOE/NNSA badges off site.

The new exhibit includes ancient artifacts and replicas, and a variety of interactive displays that invite you to predict the future, interpret signs and measure time. Through Jan. 2, employees who show proof

of Lab employment receive \$4 off adult admissions and \$2 off child and senior admissions for those accompanied by an employee.

For more information, see: <http://www.dragonskies.org/> and <http://www.chabot.space.org/visit/default.asp>

Another vintage year



The 15th Annual LLESA Vintage Vehicle Show on Thursday featured many 20th century vehicles. Winners included Karl Krause for his 1953 Jaguar XK120FHC in the vintage category, pre-1955; Annette Springer for her 1955 Ford F100 in the classic pre-1965 group; David Bento for his 1969 Chevy Camaro for factory muscle; Darryl Spurlock for his 1932 Ford Coupe for street rod; Art Bernacil for his 1964 Chevy Corvette for sportscar; Terry Alger for his 1965 hot rod Ford Cobra replica for kit car; Vaughn Chagonjian for his 1965 Ford Mustang for under construction, Al Villa for his 1997 custom made motorcycle and Gabe Osbourn for his 1974 Jeep CF5 for the other category.



PHOTOS BY JACQUELINE MCBRIDE/NEWSLINE



CLASSIFIED ADS

See complete classified ad listings at
<https://www-ais.llnl.gov/newsline/ads/>

AUTOMOBILES

1991 - Mercury Cougar LS, 5.0L V8, 180k miles, blue book \$1880, asking \$1300 OBO, good student car 510-282-8602

1994 - Nissan Altima, Turquoise Green, 4 Cylinder Automatic, 4 Door, Fair condition, 112K Mi. \$2000 or best offer. 925-292-8810

1995 - Saturn SL2 4Dr, BLUE/BLK, 118K, Original Owner. 5 Spd Mnl, ABS, Air, Fog lts, Cruise, Great Shape. Have all Maint Recs. 925-922-5860

2002 - VW Passat, 1.8L Turbo, 33k miles, emaculate, \$1,800 in extras, full VW warr, chrome wheels, tinted glass; \$19,250 aft 6pm 209-832-2056

1998 - Explorer, XLT 4x2. Black w/ alloy wheels. Six disk CD, AM/FM cassette. OHC V6. Power locks, windows, seat. AC. Excellent, 75K miles. \$8K/OBO. 925-455-1388

1998 - FORD WINDSTAR GL 3.8l 200hp V6, Silver, pwr seats, pwr windows, AC front and rear, excelent condition inside and out, 68k miles, \$6500 OBO 925-960-0699

2000 - Outstanding condition Toyota XLE Minivan.Transferable warranty, 67,000 miles, loaded everthing. \$18,700/obo 925-785-3737

2001 - Acura Integra Sport Coupe; 5sp stick, 80K mi, A/C, P/S, P/W, tilt, cruise, CD, Leather, moonroof, spoiler, alloy whls, \$12,250; 415-401-6343

1999 - Honda Accord LX, 64k mi, warranty transferable, 4 dr, \$9900/BO. 209-839-1440

2001 - 325ci Convertible BMW, automatic, titanium silver w/black top & premium package. Excellent condition. Loaded. 44K miles. Original owner. \$29,000 925-648-0671

1998 - Cadillac DeVille 4Dr. Pearl White, w/tan leather interior. Immaculate inside and out. Power everything. Garaged. Orig. owner. 69K miles. \$10,750. 925-516-1083

1994 - Z-28 Camaro. 6-speed, red, original owner. Body and interior good condition. Blown head gasket. \$1250 OBO 209-833-6228

1998 - Ford Explorer XLT, 4WD, 6CD changer, Leather, 86K Miles, \$8500 OBO 925-443-7419

AUTOMOBILE ACCESSORIES

Car cover for Honda 1990 civic hatch-back-cost \$145, sell \$35. Blue color. custom fit. 925-447-8415

1966-77 Ford Bronco Parts, James Duff-3 speed floor shifter w/matching T Handle Transfer Case Shifter \$200.00 801-358-3425

Hydraulic bottle jack, 16 ton capacity. \$15 925-455-8609

BICYCLES

Cannondale F700SX, Lefty, disc brakes, Red,so new-like,no scratches,never off road,\$1100 obo 209-518-4141

Nice cruiser bike 10speed. Big cushy seat and handlebars. Big tires. Nice condition. \$50.00 obo. 925-240-7374

Royce Union Mountain Bike. 2 years old. \$75 209-483-8719

Mens mountain bike. ca. 6 working gears. Rides like the wind. I just gave it a new front tire. \$70.00 617-669-3701

VW 1600cc Dual Port. 800 miles on 3-yr old rebuilt from Buggy House, 3031 PICT carb., heater boxes in tack. Exhaust with chrome tips. \$800. 925-447-6321

BOATS

35HP outboard with elec. start and gas can. \$350 OBO 925-766-8233

8 foot Livingston dingy with dagger-board slot in case you want to add a sail. Seaworthy, in fair condition. \$299 OBO. 925-684-3709

CAMERAS

Toshiba PDR M-61, 2.3 Mega Pixel Camera with several smart cards includ-

ed. Asking \$120. 925-989-6299

Canon Elan II 35mm camera with Canon AF 35-80mm lens. Both mint condition. Bought new for \$600, sell for \$250. Leave message. 530-848-9555

ELECTRONIC EQUIPMENT

MICROWAVES: 2 for sale, both work great. \$20 each or \$30 for both. 617-763-4843

CD player (holds 5 CDs!) in exc. condition with remote and optional random play mode. \$30 OBO 925-766-8233

Nokia 2260 Digital Phone still in box, never used. \$50. 209-483-8719

Typewriter- Hermes 3000 portable, with case and lock. \$150. 925-447-8415

Fax Machine Panasonic plain paper used twice \$20 925-600-0604

Packard Bell Pentium I. 133 MHZ Processor, 1.2 GB Hard drive, 28,800 bps Modem, 16 MB RAM, Video/Sound system, Windows 95/software. \$75.00 925-485-3510

Stereo turntable - Connnoisseur model. Good condition \$25/obo 925-846-8394

Dell P1500 Personal Laser Printer. Brand new and never used. Still in its box. \$75.00. 209-858-2645

Linksys EtherFast 4-Port Cable/DSL Firewall Router (model BEFSX41). Excellent condition. \$25 firm. 925-209-8880

GIVEAWAY

Weber-type BBQ, old cement mixer-needs work 925-449-0463

1 lite pine kitchen table & 4 match chairs. 1 tan contemporary loveseat & match chair. U-pick up from Antioch. 925-754-8745

HOUSEHOLD

COUCH: 2-piece full-sized curved couch, navy blue, good shape and clean. priced for quick sale before sept 14th. \$50. 617-763-4843

White metal sofabed. You add the futon. \$65 OBO 925-766-8233

Dining Table w/4 chairs \$250 925-449-1481

Various household furniture: beds, couch, kitchen set, computer desk, patio table and chairs, etc. Well used; prices negotiable. 925-449-0463

Moving. 10pc Qn Cherry Bedroom, dovetail const. HB,FB,Rails, Armoire,Dresser, Mirror, Chest,Cedar,Lingerie,2 N/S. \$3k 925-961-0684

King-size mattress, box spring and frame, used only 3 mo. \$1000 new, sell for \$400. 925-449-7908

Craftsman GT-6000 Garden Tractor, 18-hp Kohler Magnum, 44-in mower. \$1250. Cell eves/wkends 209-747-8594, home 209-931-1705

Oak Entertainment center which holds TV and stereo system two lower drawers and one lower cabinet. \$250.00 OBO 925-447-9785

Oak rolltop desk. 2 file drwrs, lots of other drwrs and nooks. Oak file also. Great condition. Must sell. 925-606-4365

ANTIQUE-Hoosier Type Oak Kitchen Cabinet. Sugar Jar marked 1914, porcelain top, All original.1200. Firm. Call for pictures. 209-823-4609

Sectional! Large (10ft x 8ft) two piece sectional, good condition. Purchased new furniture. Have pictures to email. \$150 209-835-6556

5ft. by 8.25 ft. 100% wool rug. Made in China. Alphabet pattern (in a blue grid) on a cream background. Felt pad can be included. \$250.00 925-294-8670

Kenmore Washer and Dryer heavy duty \$75 for pair, Mitsobishi 27 inch color TV excellent \$50, Travel ice box 12V or 120v holds 10 cans of pop \$10 925-600-0604

Longaberger, hope chest stand, wrought iron with maple top, retired product, perfect condition, great end table, \$100.00. 925-455-5985

Dry bar, J-shaped, light oak, brass foot rest, very heavy/solid, \$400 209-823-9309

Sears automatic set-back/set-up thermostat. \$10 925-455-8609

Hummel figures. Latest News, Little Pharmacist, several others. In perfect condition & in original boxes. \$50 each. 510-683-9433

Entertainment Unit - solid cherry 50x27. Custom built with pull out shelves - never used. \$50/obo Student Desk - solid maple - 44x22. \$25/obo 925-846-8394

Bissell power steamer, Model 1631, deep cleaning for carpet and upholstery \$50; Bathroom strip light \$10. 925-828-1926

Heavy duty oak desk \$30 leather reclining desk chair \$20 Trailer mirrors that hook on truck or car \$25 925-449-1340

MISCELLANEOUS

QUEEN MATTRESS and DOWN COVER: Used only 3 months, very clean and just like brand new. priced for quick sale, \$100. 617-763-4843

GARAGE SALE, 225 Orestimba Cir. Tracy. Children clothes/toys, dresser, TV (free), etc. 209-836-4550

Polaris 340, automatic suction side pool cleaner. Like new condition. \$275.00 O.B.O. 925-426-8139

STING / ANNIE LENOX, SAT OCT 2, 7pm, Shoreline, 2 tix, Lawn Seating \$100/2 (\$41 ea + 9.00 svc/del.- NO profit). Tickets INC. 4.00 parking fee. 925-373-0751

Moving. 4 Piece black leather sofa set \$1.5k. 4 Piece Slipcover Sleeper set \$1.5k; 9 Pc Redwood Patio set w/ umbrella \$1k. 925-961-0684

Ford 8N tractor, very good condition. \$2000. cell phone eves/wkends 209-931-1705, home 209-931-1705

49ers vs. Falcons, Sept. 12. UB55, seats 1&2. Seats to all 49er home games available too. \$64 each. 925-456-8120

GAZELLE SUPRA by Tony Little, brand new, asking \$190.00, HUTCH Early American, \$75.00 obo in RIPON, call 209-599-3994

Drafting table. Metal, tilts and lifts. Very sturdy. \$50.00 OBO. You haul. 925-456-3010

50 piece jumbo Lego set. Pieces are red, yellow, green and blue and 8 x 2.5 and 4 x 2.5. A great toy. \$30.00 925-294-8670

2-Family Garage Sale -antiques, quality collectibles,radial/bndsaws,sprinklers,camping camping items,tools 2792 Crater Rd, Liv. Sat 9/11, 7:30-1pm 925-447-8415

Rock tumbler/polisher Scott Murray Brand 10 pound model. \$45.00 925-447-6670

Solid oak corner desk with hutch. Good for computer use. Has multiple drawers, including hanging file folder drawer. Asking \$200. 925-606-0825

Sears Craftsman 10 inch table saw. Cast iron table, belt drive. \$250 925-455-8609

Garage Sale. Lots of Great Stuff!!!! 761 Via Del Sol, Livermore 8:30 AM - ?? Please NO Early Birds!! 925-447-1603

Original Oil Painting - Beautifully framed, nature, animal scene. 42 inches X 30 inches. \$50.00 925-449-8035

Womans briefcase - Scully Italia 100% leather - brand new. \$30/obo. 925-846-8394

49er tickets for most home games! 4 seats in Section 15, endzone upper deck, dry with a great view of field and scoreboard. Face Value (\$64/Ticket). 925-606-0321

Paint sprayer, electric \$15; Edger/trimmer, Black & Decker Electric Groom and Edge \$15 925-828-1926

Lawnmower w/bag; Sears Craftsman rotary, 6.25hp, power-propelled, electric start \$150 925-828-1926

Portable 3-way refrigerator. Operates on AC, DC, or propane. 17 inches deep/20 inches wide/ 18 inches high. \$145 OBO. 925-684-3709

MOTORCYCLES

New Harley Davidson leather vest. Pacific Harley exclusive design. Never

worn. Size small. Paid \$130. Asking \$70 OBO. 925-455-1958

2002 - Harley Davidsion Fat Boy, Real Red and Diamond Ice, chrome Swing arm, and many extras to mention. \$18,000/obo. 209-835-0108

1988 - BMW K100LT like new with less than 12k original miles. New Metzler tires and fresh major service. See it at Diablo BMW in WC. Asking \$4500. 925-846-1459

MUSIC INSTRUMENTS

Piano, English Upright, circa 1885, Burlud Walnut Cabinet, Ivory Keys, Carved Legs. \$350.00 209-943-2166

PETS & SUPPLIES

2 kittens that need a home. Free. 4 month old males. one black and white and the other orange tabby. litter box trained and de-wormed. Have not been outside. Both are males and are great with kids. 209-823-1886

Stainless Steel Parrot Cage, 70 in. tall, 48 in. high, 24 in. deep. Suitable for medium sized parrot. Best Offer. 925-454-8911

Rescued pretty/sweet adult female cats, aproximately 1yr. One long haired siamese mix. Playful/friendly. Spayed,shots & dewormed. Adoption fee \$70. 209-833-0607

Rescued kitten, 17 weeks old. Male black long hair available for adoption. Neutered, shots, dewormed. Adoption fee \$70. Great personality! 925-980-3035

BIG (125 gal) Aquarium + stand. Pump, Magnum 350 filter, gravel for fresh water. Everything you need to get started! \$275/bo 925-373-1062

Parrot, Yellow Naped Amazon. Dennis is ~15 yrs old, healthy with large cage included. Excellent talker, needs hand re-taming. \$350. Call 5-9PM. 510-636-1128

BEARDED DRAGON Full-grown female approx. 16 inches long, friendly (can be held). \$125 925-449-1606

Live animal cage/trap, 32x10x12 - \$30 925-828-1926

RECREATION EQUIPMENT

Weight Bench, Continental, lat pull-down, leg extension, preacher curl attachment, weights, padded bench excellent condition was \$300 now \$200 925-829-2581

1986 29 ft Class C El Dorado Mirada motorhome. Sleeps 6, full bath, many extras. \$10,000. OBO. 925-456-3010

2 new North Face sleeping bags; Cats Meow model; extra tall: one left-hand and one right-hand zipper; \$80 each. 925-606-5319

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tsmp>.

Modesto - Vanpool needs rider. Meets at Home Depot - Leaves 6:35 am. Leaves Lab at 4:45 pm. Current price \$125. Price varies per gas prices. 209-576-0217, ext. 4-4535

BERKELEY - Rider/driver needed to complete a four person carpool. Leaves north Berkeley --> 7 am; leaves LLNL --> 4:40 pm. 510-524-8332, ext. 2-5949

Danville - Looking for fairly regular ride home to Danville/San Ramon from LLNL during school year. 925-838-4150, ext. 3-0903

PATTERSON - Don't commute alone. Join the Vanpool, save \$\$ & wear/tear on your vehicle, get R&R + commuter benefits. Ridership based fares. 209-892-2118, ext. 2-9502

Modesto Dennys on Salida Blvd at Pelandale and Hwy 99 - Daves Luxury vanpool, captain seats, reading lights cellphone 8-4:45 ridership-based fares, 209-576-7764, ext. 3-3194

SERVICES

Margarita Machine for rent. Best deal in the bay for your next event!Mention Lab

for your discount! 209-481-5442

LEARN TO SQUARE DANCE New classes at Alameda Elks Lodge 2255 Santa Clara Ave, Alameda. Thursdays 7:15 - 8:30 PM. Starts 9/9. 510-247-3354

SHARED HOUSING

Livermore - Non-furnished apartment for rent. Master bed/bath. Full privileges. Washer/dryer/pool/spa. Close to LLNL. \$600/mo, includes utilities. AVAILABLE NOW. 925-525-4999

Livermore - Furnished room near Lab available now. No smoking, pets, stereo, or guns. \$450/month plus share utilities plus deposit. 925-455-6044

Manteca - Clean room and bath. Rent negotiable. Reliable mature adult. Full privileges. Non-smoker/no pets. Available Now. 925-422-5512 or 209-239-0038

Dublin - Bedroom available in house. Share bathroom, kitchen, living and dining rooms with one roommate. Non smoker \$500 + \$250 deposit + 1/3 utilities. 510-410-0883

RIPON - room for rent in new home, private entry, pool/spa, close to hwy, non-smoker, utilities included, \$425.00 monthly, call 209-599-3994

TRUCKS & TRAILERS

1998 - Dodge Ram 1500 Quadcab 20in Wheels,AT,AC,PL,PW,PM,CC,Camper Shell,Tow Package,Bedliner, Great Truck! Great Price! \$8500 209-456-2707

1990 - Toyota Pickup, extended cab, V6, automatic w/overdrive, bed liner, runs great, just smogged. \$3700/obo. 209-740-7138

1977 - Motorhome, 28 ft. Dodge Midland. Rebuild 440-motor & transmission, new refrigerator, Sleeps 5+, Upgraded front seats, completely renovated! \$5,300.00 925-443-7729

1997 - Ford F250HD XL, 4X4 STD cab longbed, tow pkg, liner, shell, 66K miles, 351 eng. \$8500 925-606-5898

2001 - wrecked Ford f150 4X, Xcab, 5.4, truck for parts only, buyer takes entire truck. 925-443-8758

VACATION RENTALS

Truckee - Tahoe Donner ski cabin group has openings. \$625 per person, unlimited access. Thanksgiving - April 30. Call for additional information call 925-447-0596

SOUTH LAKE TAHOE - 3 Bedroom 2 Bath Chalet, comfortably furnished, all amenities,Escape to Tahoe!! RESERVE NOW! 209-599-4644

Olympic Valley (Squaw Ski Area), - March 6-10, 2005, Olympic Village Inn, 1 bedroom condo, walking distance from Squaw Valley Skiing, 3 night minimum, \$125/night. 925-449-6048

San Diego Area (Carlsbad), - Grand Pacific Palisades, Gorgeous 3 bedroom Condo, Sleeps 9, 12/19-26/2004 \$875/week or 12/22-26 for \$575. 925-449-6048

Pinecrest - (Off Sonora Pass Road), 3 bdrm/2 bath, frplc w/wood, microwave, dishwasher, pool table, large deck and view up No. Fork of Tuolumne, \$195/wknd. 925-449-5513

MAUI Kihei 2bdrm oceanfront condo: ocean view, beautiful white sandy beach, pools, tennis, snorkeling. Low LLNL rates. 925-846-1459

WANTED

Experienced handyman for trim and siding dry rot repairs in Discovery Bay. 516-2570 925-766-8233

Laptops wanted. You are ready to upgrade and I need your old Mac and/or PC laptop. 925-371-6997

Want to share a table at Holiday Fair in November with one who has table reserved. Do not need much space. 925-443-4555

Wanted: responsible teen (14+) for occasional babysitting of well-behaved 17-month and 9-year-old children. Portola/North Mines area. 925-449-1476

New mom looking for a Rocker-glider with ottoman in good condition. Will pay a reasonable price. 925-980-8618

CAMS

Continued from page 1

“All of the work has been in completely different areas, but we’re doing it all with the same instruments,” CAMS director John Knezovich said. “We’re always asking ourselves ‘How do you gauge scientific impact?’ Well, in these cases our work was noteworthy enough to be featured as cutting edge and of broad interest to the scientific community.”

Beginning in May 2002, research involving the use of carbon 14 to trace fuel combustion was featured on the cover of *Society of Automotive Engineers*.

For the first time, Livermore researcher Bruce Buchholz and colleagues from Sandia National Laboratory and UC Berkeley used carbon 14, the isotope most commonly used for determining the age of artifacts, to trace ethanol through the combustion process of a diesel engine. Buchholz used AMS to discover what ethanol blends are emitted through the exhaust system.

In May 2003, the *Journal of Metallurgy* featured CAMS research using radiocarbon dating to establish the age of iron-based artifacts by Andrea Cook, John Southon and former deputy director of Science and Technology Jeff Wadsworth.

Though iron typically does not contain carbon, Cook was able to date iron artifacts using carbon 14 methods by determining whether the iron was smelted or forged with heat from a wood fire. If, in fact, a wood fire was used to heat the iron, wood smoke particles that do contain carbon could be dated using carbon 14.

“It turns out, you can date things that many people didn’t think were practical to date using carbon 14,” Knezovich said.

In July 2003, the cover of *Nature* featured CAMS research into the amount of radiation received by survivors of the Japanese atomic bombs. At issue was a scientific reevaluation of calculated neutron doses, undertaken in the Dosimetry System of 1986 or DS86. It suggested that survivors had actually absorbed much higher doses of neutrons than previously estimated. The CAMS team measured trace amounts of nickel-63, which was created by the interaction of neutrons with copper, to reaffirm the accuracy of earlier studies and lay the controversy over dosimetry to rest.

Weeks after the bombs were dropped on Hiroshima and Nagasaki in August 1945, Japanese scientists measured certain types of



Research conducted at the Center for Accelerator Mass Spectrometry made the cover of six journals and magazines during the past 18 months including *Geology*, *Nature* and the *Journal of Metallurgy*.

radiation near ground zero. Former CAMS researchers Tore Straume and Jeff McAninch, and current CAMS researcher Alfredo Marchetti, worked with colleagues from Technische Universität München, Ludwig Maximilians Universität München and Science Applications International Corp. on the research.

Then in March of this year, CAMS researcher Bob Finkel teamed up with scientists in Livermore’s Institute for Geophysics and Planetary Physics (IGPP) to work on landscape evolution in the Sierra Nevada. This project was featured on the cover of the March 2004 issue of *Geology*.

Using cosmogenic dating of cave sediments, Finkel and colleagues were able to determine how erosion rates and seismic activity helped form the Sierra Nevada.

By April 2004, the cover of *Environmental Science & Technology* featured a project by CAMS scientist Graham Bench and researchers from Colorado State in which they unlocked the key to regional haze in the Yosemite Valley by conducting a three-month survey of air quality in Yosemite National Park. The team determined that massive wildfires in the Western United States likely contributed to periods of haze in Yosemite that year.

The research is part of an on-going project that will determine the sources of haze in other national parks and regions. This year, the team will take samples from Mt. Rainier National Park and Puget Sound in Washington, Bondville, Illinois, Great Smoky Mountains National Park in Tennessee, Proctor Maple Research Facility in Vermont and Brigantine National Wildlife Refuge in New Jersey.

“No one had any real data before this

analysis as to what was contributing to the haze in the Yosemite Valley,” Knezovich said. “This provided a good base for officials to make informed management decisions.”

The most recent cover article on the September issue of *Meteoritics & Planetary Science* features a joint project between CAMS and IGPP in which a CAMS nuclear microprobe is used to characterize interstellar dust particles as part of the Stardust project.

The Stardust spacecraft will return to Earth in 2006 with cometary and interstellar dust particles embedded in silica aerogel collectors.

Working with Imperial College in London, the Spaces Sciences Laboratory at UC Berkeley and the Natural History Museum in London, CAMS researcher Patrick Grant was able to characterize analogue particles implanted in silica aerogel with a nuclear microprobe.

“The CAMS research was pivotal in this work,” said John Bradley, IGPP director. “This analysis hadn’t been done before with this material and they proved it was capable.”

CAMS is one of six AMS facilities in the United States and one of 60 worldwide, yet it performs nearly one quarter of the world’s AMS analyses.

“When we started to build this facility, the breadth of applications was immense, but needed to be demonstrated,” said Jay Davis, who built the facility in 1986-87 and served as a former director. “(Former Laboratory directors) John Nuckolls and Bruce Tarter made possible the facility and the unique nature of an organization in which all members are principal investigators. The productivity and impact of CAMS’ work supports their vision.”

CAMS has close ties to the University of California partially because the UC Regents invested in the spectrometer in exchange for guaranteed access by students and staff from all UC campuses.

Knezovich said the cover articles during the past 18 months show how CAMS’ focus on technical excellence and scientific impact serves as a national asset. “A lot of the original technology was developed for diagnostics on weapons, but now we’re exploiting its use in all fields,” he said. “This highlighted work is characteristic of what we do.”

DDL

Continued from page 1

mental Pathogens in an Era of Bioterrorism,” as part of the Director’s Distinguished Lecture Series.

Colwell, a distinguished professor at the University of Maryland, College Park, and at Johns Hopkins University’s Bloomberg School of Public Health, explained how climate factors can affect an outbreak of an infectious disease such as malaria, hantavirus and cholera.

In research with colleagues, Colwell showed that the mosquitoes, which carry malaria, evolve as the climate shifts. She said in one area, her team noticed that one particular type of mosquito changed genetically in just

five years based on climate change.

“Mosquito evolution shows how disease spreads,” Colwell said. “To see a genetic shift in five years is evolution at breakneck speed.”

Colwell also showed how hantavirus in the southwestern United States spread with the onset of an El Niño winter.

“The key predictor in this disease is infected mice,” she said. “With a wet winter, there was more food and, in turn, more mice. In this case, climate variability affected the spread of the disease.”

Colwell also went into great detail about a cholera study in which she participated. She said in 1991-1992, a new serotype (strain) of cholera organism emerged from a variety of habitats.

“It’s really an environmental organism that

is difficult to isolate,” she said. “It lives naturally in rivers, streams and coastal regions.” It turns out that the cholera bacteria live on copepods, a type of zooplankton that are abundant in these water environments.”

Recognizing that the bacteria, which by themselves are tiny, attach to copepods, which are “elephants” in the microscopic world, health officials were able to reduce cholera cases in Bangladesh by nearly 50 percent simply by teaching people to use old sari cloth to filter their water.

“We can predict the number of cases that will occur based on environmental factors,” Colwell said. “We can build models with great reliability...we can predict where epidemics will occur and then move in to try and prevent it.”



SECURITY CORNER

Security responsibilities: Do you know what you signed up for?

By Kent Oelrich
SECURITY EDUCATION

Question: How many security roles are you signed up for right now? Do you know the security resources that help you perform these roles?

Answer: It is your responsibility to know the answer.

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Many serious security responsibilities are disguised as part of some other (i.e., non-security) process. Becoming a Limited Area Access Requester (LAAR), for example, usually happens because of a need to get other employees into an area they cannot otherwise access. Once you have received the LAAR training, however, you have signed up for an additional security role: the Laboratory (as well as the Department of Energy) is expecting you — not the Security Department, the OPSEC Program, nor the SAFE Office, but you — to make important determinations about individuals gaining special access to the Lab’s Limited Areas.

There are many such roles at the Lab. Administrative Escorts (AEs), hosts of visitors, hosts of foreign nationals, users and custodians of classified electronic removable media (CREM), and vault custodians to name a few. If you sign up for these roles, pay full attention to the security responsibility you undertake. Keep handy the course material or the other resources that

Web Guide to security responsibilities

For a reminder of the responsibilities that come with a particular security role, visit the Your Guide to Safeguards and Security Web site (<http://www-r.llnl.gov/securityprogram/>), call the Security Help Desk, 2-0100, or use the resources below:

- **General security RRAs:** <http://www-r.llnl.gov/securityprogram/rra/>
- **Security Points of Contact:** <http://www-r.llnl.gov/securityprogram/POC.html>
- **Administrative Escort (AE):** <http://www-r.llnl.gov/securityprogram/escort.html>
- **CREM User/Custodian:** http://cdpo.llnl.gov/class_docs.html
- **Computer Security Escort:** <http://www-r.llnl.gov/securityprogram/escort.html>
- **Host of a Foreign National:** http://www-r.llnl.gov/securityprogram/foreign_visits/
- **Host of any visitor:** <http://www-r.llnl.gov/securityprogram/badges/LAAR> (or SAAR) <http://www-r.llnl.gov/securityprogram/badges/aar.html>
- **Vault Custodian:** http://cdpo.llnl.gov/class_docs.html

you need to correctly fulfill your duties.

If you did not realize the security implications of the role before you took it, or if you feel unable to perform the role, it is also your responsibility to get assistance right away. Remember, the Laboratory is fully committed to the concept of Integrated Safeguards and Security Management (ISSM) — which not only includes understanding your personal security roles and responsibilities, but also the right of every individual on site to stop work if they perceive a security concern.

For assistance determining your roles and responsibilities or to discuss concerns, call the Security Help Desk, 2-0100, or your Program Security Representative.

Online, you can use the Your Guide to Safeguards and Security Website (<http://www-r.llnl.gov/securityprogram/>) or visit the Program Security Representative Web page (<http://www-r.llnl.gov/securityprogram/rep/>). From the Your Guide to Safeguards and Security site, you can access the Security Help Form, a helpful tool for employees to provide feedback and ask questions about the Lab’s security practices and requirements, as well as the Security Points of Contact Web page with a list of subject matter experts in all areas of security.

For the security roles, responsibilities, and authorities (RRAs) of all Lab workers, see the RRAs Web site (<http://www-r.llnl.gov/securityprogram/rra/index.html>).

BIODEFENSE

Continued from page 1

A&M University.

The new biodefense center will serve a number of functions.

The BKC will provide a 24 hour per day, seven days a week capability for assistance about bioterrorism.

Initially, the center will provide assessments and respond to information requests from the DHS Operations Center, although other federal agencies may be able to use the center as a resource in the future.

The center has already been called into action.

In July, the BKC responded within 24 hours to a DHS request for an assessment about reports that foot and mouth disease had killed dozens of people in Balochistan, a province in southwestern Pakistan.

Noting that foot and mouth disease rarely infects humans and assessing other features of the reported outbreak, the BKC concluded that the more likely cause of the deaths was a different virus that had caused other deaths reported in the area.

Another function of the BKC will be to integrate many different types of information about biodefense.

Among the data to be collected are the genome sequences for pathogens of concern, the existence and location of vaccines, the location of agent sequences for bioforensic attribution, as well as information about individuals, groups, or organizations that might be developing these pathogens.

“The BKC integrates biodefense knowledge gathered from all around the world, from international databases to subject matter experts, with an emphasis on privacy and security,” Colston said. “The result will be

a centralized and trusted information sharing and analysis system: a one-stop shop for assessing bioterrorism threats.”

A third function of the new biodefense center is that as part of Project Bioshield, federal legislation adopted earlier this year, the center will prepare threat assessments about potential bioterrorism attacks for DHS.

These threat assessments will consider the operational and technical feasibility of possible attacks with various select agents and estimate the number of people who could potentially be exposed. The major goal of these assessments is to help the Department of Health and Human Services prioritize acquisition of biological countermeasures such as vaccines and antibiotics for responding to a terrorist incident.

These assessments also will help identify research gaps that need to be closed. For example, information on the lethality of a given select agent may be unknown and require further research.

The BKC will leverage the network of scientists and technologists who work on the biodefense problem.

“The subject matter experts will be available to participate in assessment efforts,” Colston said. “In the longer term, we want to provide those researchers with tools and connect the different scientists with each other.”

Among the center’s researchers will be intelligence and biological analysts, information technology experts, bioinformatics specialists, as well as modeling and simulation experts.

The BKC will have a budget of about \$12 million implemented with its four national laboratory members for the current fiscal year. A subcontractor, Science Applications International Corp., will support the

center.

The BKC will be a member of a nationwide group of organizations known as the Homeland Security Biodefense Complex. The complex includes the three University Centers of Excellence as well as the National Bioforensic Analysis Center and Biological Threat Characterization Center in Frederick, Md., and the Plum Island Animal Disease Center in Plum Island, N.Y.



TAUSCHER

Continued from page 1

Later today, Tauscher will officiate at the opening of the Delivery Vehicle Inspection Station or DVIS at the southeast corner of East Avenue. Completion of the DVIS cements the final pieces creating the East Avenue traffic corridor property-protection area

between Lawrence Livermore and Sandia National laboratories. The event takes place at approximately 12:30 p.m.

Following the inspection station dedication, Tauscher will hold a “town hall” meeting at 1:15 p.m. with Laboratory employees in the Bldg. 123 auditorium. All employees are invited to attend. The meeting will be broadcast live on Lab TV Channel 2.

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